-	Application No.	Applicant(s)	
Notice of Allowability	09/910,904	YASUI ET AL.	
	Examiner	Art Unit	
	Lynette T. Umez-Eronini	1765	
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ) or other appropriate communication is subjection is subjection is subjection in the subjection is subjection in the subjection is subjection in the subjection in the subjection is subjection in the	application. If not included ation will be mailed in due c	d course, <b>THIS</b>
1. This communication is responsive to <u>1/20/04</u> .			
2. The allowed claim(s) is/are <u>1-22</u> .			
3. $\boxtimes$ The drawings filed on $\underline{7/24/01}$ are accepted by the Examin	ner.		
<ul> <li>4. Acknowledgment is made of a claim for foreign priority unally all blacks and blacks are considered as a claim for foreign priority unall all blacks are considered as a claim for foreign priority unall stress and blacks.</li> <li>1. Certified copies of the priority documents have a copies of the certified copies of the priority documents have a claim for foreign priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the certified copies are copies.</li> <li>* Certified copies not received:</li> </ul>	e been received. e been received in Application No	)	on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a re //ENT of this application.	ply complying with the requ	uirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>	nitted. Note the attached EXAMINes reason(s) why the oath or dec	IER'S AMENDMENT or NC laration is deficient.	TICE OF
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") mus  (a) ☐ including changes required by the Notice of Draftspers  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to provide the deponsition of	son's Patent Drawing Review ( P  s Amendment / Comment or in the  .84(c)) should be written on the dr. the header according to 37 CFR 1.1  sit of BIOLOGICAL MATERIA	ne Office action of  awings in the front (not the be 21(d).  LL must be submitted. No	
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ⊠ Interview Summ Paper No./Mail 08), 7. ⊠ Examiner's Ame	Date <u>2/3/04 &amp; 4/30/04</u> .	,
II S Patent and Trademark Office.	^ ~ ~ ~	NADINE G. NORTON IVISORY PATENT EXAM	INER

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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Juan A. Carlos Marquez on 4/30/2004.

The application has been amended as follows:

In claim 1 line, 7, after "wafer", insert --by polishing with said grindstone and said dispersant-containing process liquid,--;

In claim 7, line 1, delete "1" and insert --6-- in its place.

In claim 10, line 1, delete [including,] and insert --comprises--;

In claim 11, line 8, after "another," insert --by polishing with said grindstone and said dispersant-containing process liquid,--;

In claim 14, line 8, after "another," insert --by polishing with said grindstone and said dispersant-containing process liquid,--;

In claim 15, line 2, after "1%", insert --wt--;

In claim 15, line 2, after "1.5%", insert --wt--;

In claim 16, line 3, delete [gains], then insert --grains--.

In claim 16, line 8, after "another," insert --by polishing with said grindstone and said dispersant-containing process liquid,--;

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In claim 19, line 8, after "abrasive grains", insert --,--;

In claim 19, line 9, after "substrate", insert --with said grindstone and said dispersant-containing process liquid--;

In claim 19, line 13, delete --averse gain--, than insert "average grain".

2. The following is an examiner's statement of reasons for allowance: Applicants' presented persuasive arguments (on pages 8-10 of REMARKS of Amendment, filed 1/23/2004), which show:

As to claims, 1-10, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a process for producing a semiconductor device comprising the step of: polishing and planarizing the surface of a semiconductor wafer by polishing with a grindstone and an abrasive-free processing liquid that is fed to a surface of the grindstone, in combination with the rest of the limitations of the above claims;

As to claims 11-13, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a process for producing a semiconductor device comprising the step of: polishing and planarizing the surface of a semiconductor wafer over which a silicon nitride film and a silicon oxide film have been stacked one after another, by polishing with a grindstone and an abrasive-free processing liquid that is fed to a surface of the grindstone, in combination with the rest of the limitations of the above claims;

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As to claims 14-15, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a process for fabricating a semiconductor device comprising the step of: polishing and planarizing the surface of a semiconductor wafer over which a silicon nitride film and a silicon oxide film have been stacked one after another, by polishing with a grindstone and an abrasive-free processing liquid that fed is to a surface of the grindstone, in combination with the rest of the limitations of the above claims;

As to claims 16-18, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a process for fabricating a semiconductor device comprising the step of: polishing and planarizing the surface of a semiconductor wafer over which a silicon nitride film and a silicon oxide film have been stacked one after another, by polishing with a grindstone and an abrasive-free processing liquid that is fed to a surface of the grindstone, in combination with the rest of the limitations of the above claims; and

As to claims 19-22, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a production process of a semiconductor device comprising the step of: polishing the surface of a semiconductor substrate with a grindstone and an abrasive-free processing liquid that is fed to a surface of the grindstone, in combination with the rest of the limitations of the above claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Lynette T. Umez-Eronini whose telephone number is

571-272-1470. The examiner is normally unavailable on the First Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nadine Norton can be reached on 571-272-1465.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Itue

April 30, 2004

NADINE G. NORTON
SUPERVISORY PATENT EXAMINER

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